

Procedure to Replace Drive Wheels on HySecurity SlideDriver Gate Operators.

Instructions for installing wheels with retaining collars. For wheels without collars skip steps 2, 6, 7 and 12.

1.) Remove drive wheel assembly from SlideDriver.



2.) If the old wheel is equipped with a locking collar, loosen the two (2) 3/16" Allen head bolts holding the clamp (requires a wrench at least 4" long for 8" wheels).



3.) Pry back the "Star Washer" tabs from around the drive wheel bolt.



4.) Remove bolt and drive wheel. A wheel puller or other mechanical means may be required to slide the wheel off the motor shaft. Remove old clamp (if any).



5.) Clean debris from shaft (emery cloth works well), and replace the motor shaft key with the key included in the installation kit.



6.) Locate new wheel and locking collar



7.) Place the locking collar on the machined inside hub on the replacement wheel (collar splits between hub splits) and lightly tighten. **Be sure the collar is seated against the back of the wheel hub**



8.) Slide new drive wheel (with collar) onto the motor shaft and seat with mallet.



9.) Install bolt, **new** washer and **new** "star washer" on wheel/motor assembly.



10.) Hand tighten the bolt until the wide tab of the star washer is lined up with the slot in the drive wheel.



11.) Bend the wide tab down into the groove with a screwdriver and hammer, or pliers.



12.) TIGHTEN BOLT TO APPROXIMATELY 25 FT*LBS.



13.) After torquing the bolt to 25 FT*LBS, continue to tighten the bolt until the flat sides of the bolt head line up with the 2 opposing small washer tabs. Skip this step if they are already lined up.



14.) Use a 3/16" Allen wrench to tighten the (2) bolts securely. **Be sure the collar is seated against the back of the wheel hub,** with the collar splits between the wheel hub splits. (If not fully seated against the wheel, the collar may contact the motor mounting bolts during operation.)



15.) Bend retaining clip tabs around the motor shaft bolt head until they are snug as shown



16.) Re-install the drive wheel assembly in the operator